



## Gulf of Mexico Harmful Algal Bloom Bulletin

23 February 2006

NOAA Ocean Service

NOAA Satellites and Information Service

Last bulletin: February 21, 2006

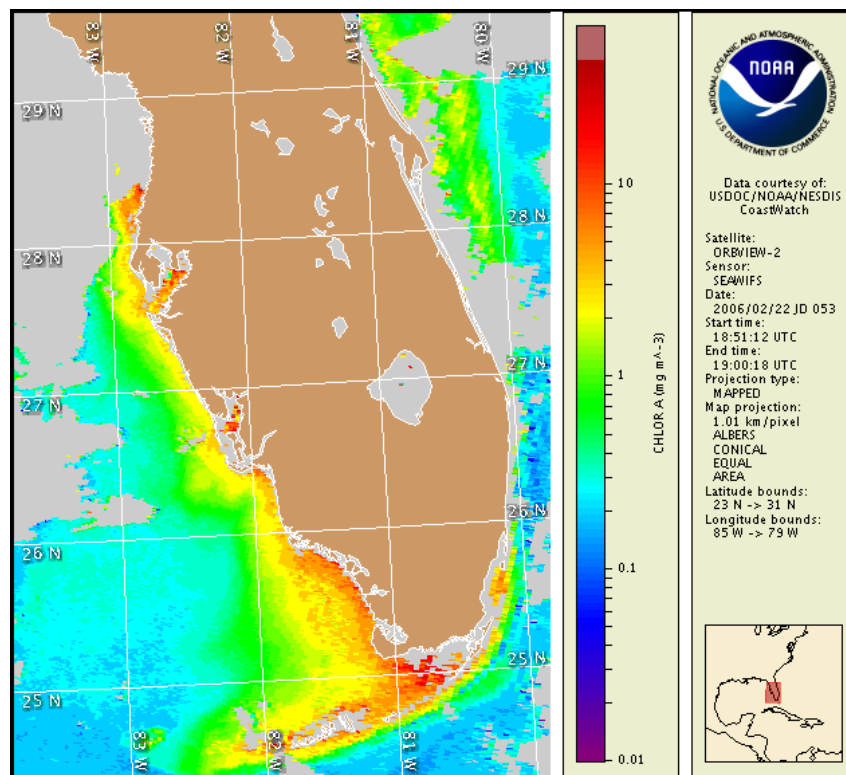
### Conditions Report

No impacts are expected in any Florida county through Monday.

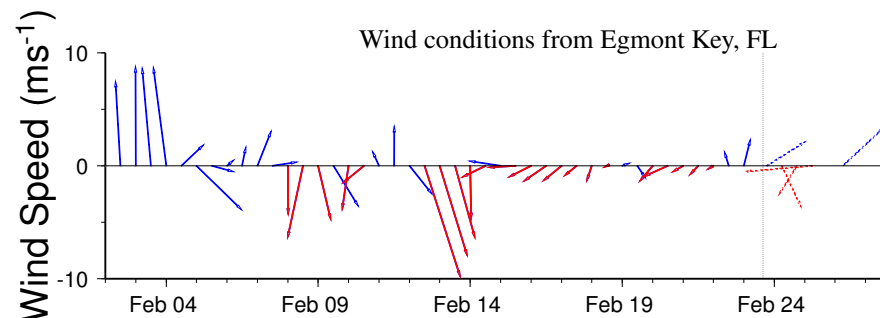
### Analysis

Satellite imagery shows little change in chlorophyll levels this week. Imagery from 2/22 shows a band of elevated chlorophyll offshore of Monroe County, with a chlorophyll concentration  $>4 \mu\text{g/L}$  at  $25.25^\circ\text{N}$   $81.30^\circ\text{W}$ . This imagery also shows elevated chlorophyll north of the Keys, with a chlorophyll concentration  $>5 \mu\text{g/L}$  north of Big Pine Key at  $24.82^\circ\text{N}$   $81.40^\circ\text{W}$ . No recent samples from Monroe County are available. FWRI samples taken during the past week in Dixie, Sarasota, Okaloosa, and Collier Counties had no *Karenia brevis* concentrations above background level. Continued sampling is recommended. Westward movement of elevated chlorophyll features is possible.

Bronder, Keller



Satellite chlorophyll image with possible HAB areas shown by red polygon(s).



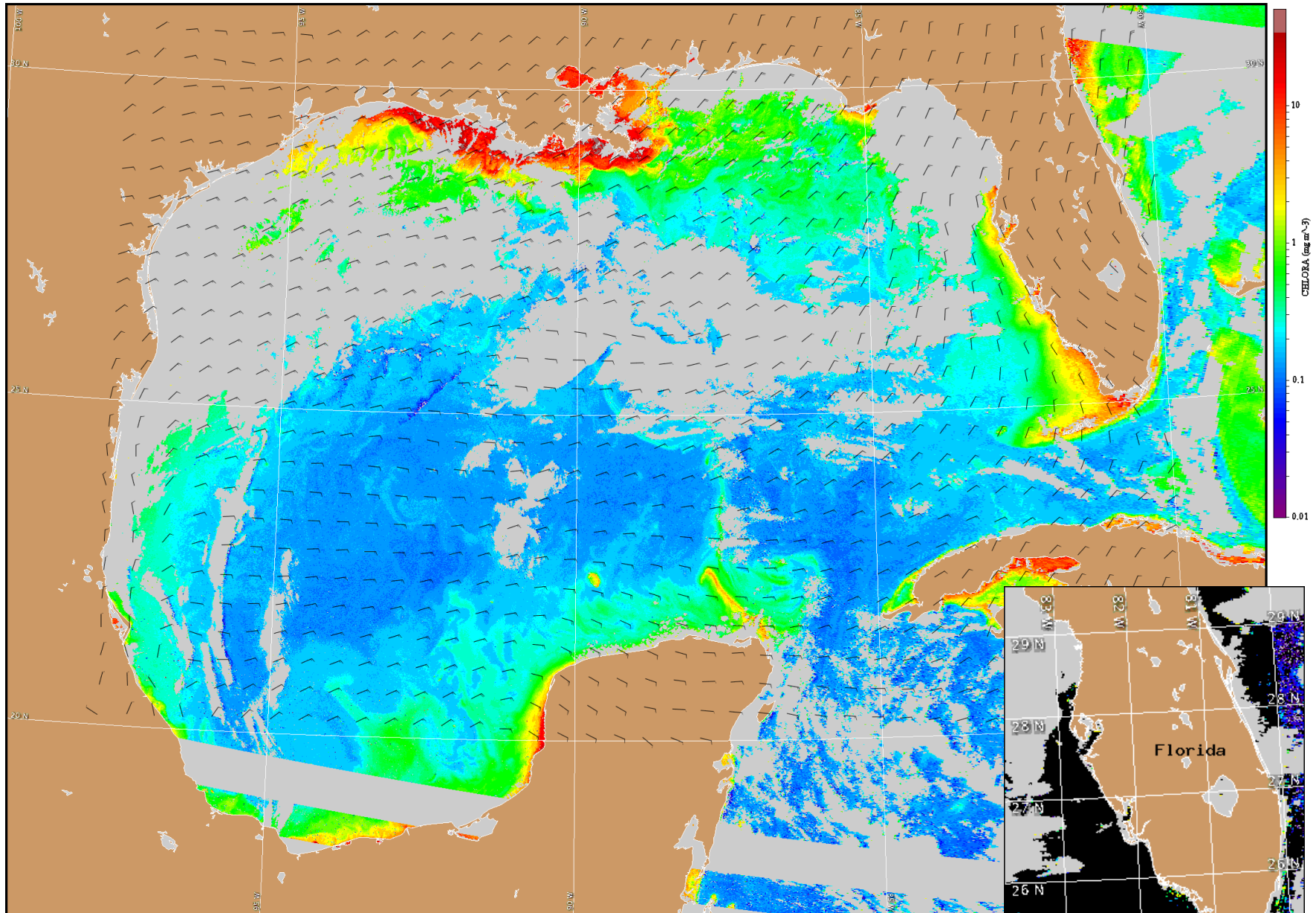
Wind speed and direction are averaged over 12 hours from buoy measurements. Length of line indicates speed; angle indicates direction. Red indicates that the wind direction favors upwelling near the coast. Values to the left of the dotted vertical line are measured values; values to the right are forecasts.

SW Florida: Winds will be southwest (10 kts, 5 m/s) today, northeast (15 kts, 8 m/s) tomorrow, southeast (15 kts, 8 m/s) Saturday, northeast (20 kts, 10 m/s) Sunday, east (15 kts, 8 m/s) Monday.

Keys: Winds will be variable (10 kts, 5 m/s) today, northeast to east (15 kts, 8 m/s) tomorrow, east to south-east (15 kts, 8 m/s) Saturday, northwest to north (20 kts, 10 m/s) Sunday, northeast (20 kts, 10 m/s) on Monday.

Please note the following restrictions on all SeaWiFS imagery derived from CoastWatch.

1. Data are restricted to civil marine applications only; i.e. federal, state, and local government use/distribution is permitted.
2. Image products may be published in newspapers. Any other publishing arrangements must receive OrbImage approval via the CoastWatch Program.



Satellite chlorophyll image and forecast winds for February 24, 2006 06Z.

Verified HAB areas shown in red. Other bloom areas shown in yellow (see p. 1 analysis for interpretation).